

# **PATENT**

**FRENCH PETROLEUM INSTITUTE**

## **PROCESS FOR DESULFURIZATION COMPRISING A STAGE FOR SELECTIVE HYDROGENATION OF DIOLEFINS AND A STAGE FOR EXTRACTION OF SULFUR-CONTAINING COMPOUNDS**

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### **ABSTRACT**

Process for desulfurization of a hydrocarbon-containing feedstock that comprises at least one stage for selective hydrogenation of diolefins that are present in said initial hydrocarbon feedstock, in the presence of a catalyst of group VIII of the periodic table and a stage for extraction by a solvent of said hydrogenated fraction under conditions that make it possible to obtain at least two fractions:

- a raffinate that comprises for the most part olefins, paraffins and naphthenes and a reduced amount of sulfur-containing compounds that are contained in the initial feedstock,
- a fraction that contains the majority of aromatic hydrocarbons and the majority of sulfur-containing compounds that are contained in the initial feedstock.

Figure 1 to be published.